

Claims

What is claimed is:

1 A bone tendon bone graft useful in orthopedic surgery comprising one or more bone blocks and a tendon attached to said one or more bone blocks, wherein said one or more bone blocks is shaped into a dowel.

1 2. The bone tendon bone graft of claim 1, wherein said bone tendon bone graft
2 comprises one bone block, and wherein said tendon is derived from an Achilles
3 tendon, patellar tendon, or quadriceps tendon of a donor.

1 3. The bone tendon bone graft of claim 2, wherein said one bone block comprises
2 a first end and a second end, wherein said first and second ends are tapered.

1 4. The bone tendon bone graft of claim 2, wherein said one bone block comprises
2 a groove sufficient to accommodate a fixation screw.

1 5. The bone tendon bone graft of claim 2, wherein said one bone block comprises
2 at least one graft manipulation hole.

1 6. A method of obtaining a plurality of bone tendon bone grafts comprising:
2 a) excising a first bone plug from a bone, wherein said first bone plug has
3 a tendon attached thereto; and
4 b) excising a second bone plug from said bone, wherein said first bone
5 plug and said second bone plug are contiguous and overlap such that
6 excision of said first bone plug or said second bone plug forms a groove
7 in the bone plug that is excised subsequent to the other.

1 7. The method of claim 6 wherein excision is accomplished by a core cutter.

1 8. The method of claim 6 wherein said bone is selected from the group of bones
2 consisting of patella, femur, calcaneus, and tibia.

1 9. A method of conducting orthopedic surgery on an animal or human
2 comprising:

3 obtaining a bone tendon bone graft, said graft comprising a tendon having
4 two ends and one or more bone blocks attached to said tendon,
5 wherein at least one of said one or more bone blocks is tapered.

1 10. The method of claim 9, wherein said bone tendon bone graft comprises one
2 bone block, and wherein said tendon is derived from an Achilles tendon, patellar
3 tendon, or quadriceps tendon of a donor.

1 11. The method of claim 10, wherein said one bone block comprises a first end
2 and a second end, wherein said first and second ends are tapered.

1 12. The method of claim 10, wherein said one bone block comprises at least one
2 graft manipulation hole.

1 13. The method of claim 10, wherein said one bone block comprises a groove
2 sufficient to accommodate an interference screw.

1 14. A bone tendon bone graft useful in orthopedic surgery comprising one or
2 more bone blocks and a tendon attached to said one or more bone blocks, wherein
3 at least one of said one or more bone blocks is tapered.

1 15. The bone tendon bone graft of claim 14 wherein said tendon has a first end
2 and a second end, and wherein said one or more bone blocks comprises a first
3 bone block attached to said first end and a second bone block attached to said
4 second end.

1 16. The bone tendon bone graft of claim 15 wherein said first bone block and
2 said second bone block have a first end contiguous with said tendon and a second
3 end opposite said first end, and wherein said first bone block is tapered toward
4 first end and said second bone block is tapered toward said second end.

1 *Sub C2* 17. The bone tendon bone graft of claim 16 wherein said first bone block and
2 said second bone block each have a groove sufficient to accommodate a fixation
3 screw.

1 18. A device useful for extracting bone tendon bone grafts comprising a shaft
2 portion and a cylinder portion having a first end and second end, wherein said
3 first end is contiguous with said shaft portion and said second end has teeth
4 disposed thereon, and wherein said cylinder comprises at least one slot.

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